



DURAK 

**100% RECYCLED
SPUN POLYESTER
SEWING THREAD**

Poly-Jet Eco®

DURAK Poly-Jet Eco® is a high tenacity spun polyester sewing thread produced from 100% recycled polyester raw material without harming the environment. It provides all the benefits a sustainable sewing thread has to offer without compromising from its sewing performance. In addition to being environmentally friendly, Poly-Jet Eco® is an impressive sewing thread with its flawless and smooth surface, extra strength, bright & shiny colors, even structure and high resistance against abrasion. From the raw material to the lubricants applied, Poly-Jet Eco® is specially developed to perform under the most challenging production conditions. Sustainability has always been our priority. That's why we cooperate with Repreve® brand in order to supply our demand for 100% recycled polyester.

REPREVE® 

Product Properties

- ✦ Reliable, natural looking sewing thread.
- ✦ Can be used on the finest fabrics to heavy work wear products.
- ✦ Performs exceptionally under the most challenging conditions due to its high tenacity and optimum elasticity.
- ✦ Poly-Jet Eco® is resistant to chemical bleaching and sun light.
- ✦ Improves stitch quality due to special lubricants
- ✦ Resistant to washing/dry cleaning and abrasion, has high color fastness.
- ✦ Oeko-Tex 100, class 1 certified.

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Areas of Use

- Ready Garment
- Under wear
- Swim Suits
- Sports Wear
- Work Wear
- Furniture
- Home Textiles
- Bobbin Thread

Physical Properties

Melts at 260°C and softens at 220 - 240°C.

Shrinkage is less than 1% at 150°C.

Chemical Properties

Mineral acids: Resistant against most mineral acids.

Alkalis: Unaffected by weak alkalis, moderately resistant to strong alkalis.

Organic solvents: Unaffected by normal solvents, soluble in some phenolic compounds.

Bleaching: Unaffected.

Microorganisms (Mildew/Rot): Unaffected.

Washing / Dry Cleaning: Unaffected.

Moisture regain: %0.4



Color Fastness

Washing fastness at 60°C	ISO 105 C06	Min. 4
Water fastness	ISO 105 E01	Min. 4
Friction fastness	ISO 105 X12	Min. 4
Hypochlorite fastness	ISO 105 N01	Min. 4
Dry cleaning fastness	ISO 105 D01	Min. 4
Perspiration fastness	ISO 105 E04	Min. 4
Artificial light fastness	ISO 105 B02	Min. 4

Presentation

Durak Poly-Jet Eco® offers a wide range of colors in a variety of meters size and thicknesses.

Storage Conditions

Must be stored away from high heat, direct sun light and humidity.





Poly-Jet Eco®

Thickness and Strength Chart

Ticket No.	Nominal Tex	Strength CN	Elongation %	Needle Size (Nm)
120	27	960	16 - 22	75 - 90



Other Poly-Jet Sub-Brands

Polyjet WR®

100% staple spun polyester sewing thread with water repellent. It has a PCF-free water repellent surface coating.

Polyjet UV®

100% staple spun polyester sewing thread with UV resistance. Polyjet UV® minimizes UV destructions such as discoloration, low abrasion resistance and loss of tenacity.

Polyjet OS®

100% staple spun polyester sewing thread with special finishing processes in order to provide high sewing performance in the most challenging conditions. A controlled lubrication process is applied by excluding substances such as silicone, grease, graphite, wax and paraffin during the finishing process.

Polyjet CRF®

100% staple spun polyester sewing thread produced by adding flame-retardant characteristics. The thread surface is coated with flame retardant chemical in accordance with the standards of chemical coating method.

Polyjet Multicolor®

Multicolor staple spun sewing thread made of 100% polyester filament. It is injection dyed up to four different colors to give a multi-colored effect on the thread.